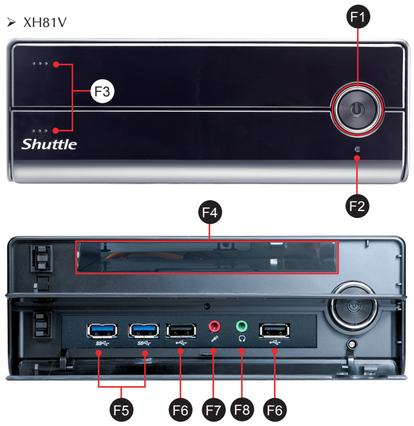
62R-XH8100-5201 XH81
English.Spanish.Korean.
Traditional Chinese.Japanese.
French. German Quick Guide

XH81V/XH81 Quick Guide【English】

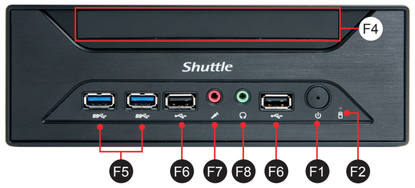
Front Panel

➢ XH81V

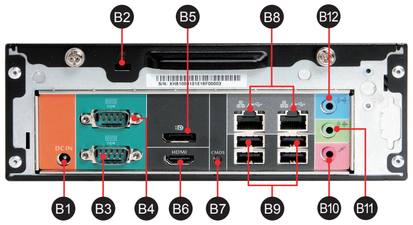


F1. Power Switch / Power LED
F2. HDD LED
F3. ODD and Front I/O Bay
F4. Slim ODD Bay
F5. USB3.0 Ports
F6. USB2.0 Ports
F7. Mic-In
F8. Headphone

➢ XH81

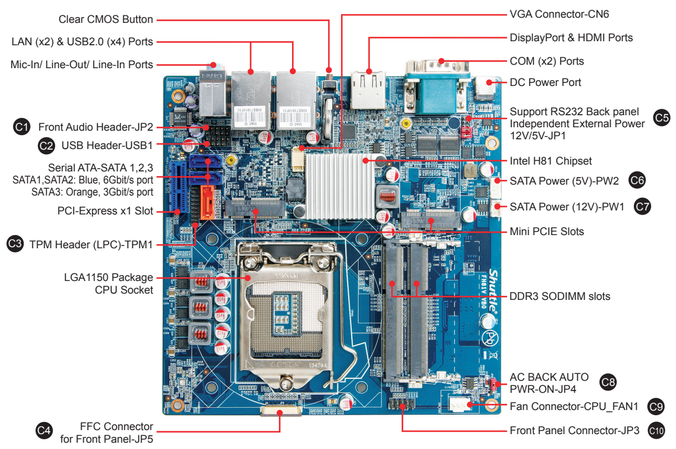


Back Panel



B1. DC Power Port
B2. Kensington® Lock Port
B3. COM1 Port (RS232/RS422/RS485)
B4. COM2 Port (RS232)
B5. DisplayPort
B6. HDMI Port
B7. Clear CMOS
B8. LAN Ports
B9. USB2.0 Ports
B10. Mic-In Port
B11. Line-Out Port
B12. Line-In Port

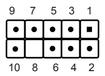
Motherboard Illustration



Jumper Settings

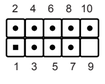
C1 Front Audio Header (JP2)

1=MIC_L_C	2=AGND
3=MIC_R_C	4=FP_AUDIO-JD
5=HP_R_C	6=MIC-JD(AGND)
7=Sense B	8=-----
9=HP_L_C	10=HP-JD(AGND)



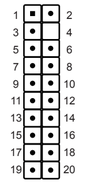
C2 USB Header (USB1)

1=5V_USB	2=5V_USB
3=USB A-	4=USB B-
5=USB A+	6=USB B+
7=GND	8=GND
9=NC	10=GND



C3 TPM Header (LPC) (TPM1)

1=LPC_33M	2=GND
3=LFRAME-	
5=SIORST-	6=RI-
7=LAD3	8=LAD2
9=+3.3V	10=LAD1
11=LAD0	12=GND
13=LPC_48M	14=PCH_PME-
15=+3.3VS	16=SERIRQ
17=GND	18=CLKRUN_NC
19=PD#_NC	20=SUS_CLK



C4 FFC Connector for Front Panel (JP5)

1=+5VS	2=+5VS	3=+5VS	4=+5VS
5=U3_RX1N	6=U3_RX1P	7=GND	8=GND
9=U3_TX1N	10=U3_TX1P	11=GND	12=GND
13=USB8_N	14=USB8_P	15=+5VS	16=+5VS
17=+5VS	18=+5VS	19=U3_RX2N	20=U3_RX2P
21=GND	22=GND	23=U3_TX2N	24=U3_TX2P
25=GND	26=GND	27=USB9_N	28=USB9_P
29=GND	30=GND		

C5 Support RS232 Back panel Independent External Power 12V / 5V (JP1)

JUMP1 Connector Pin 1 and Pin 2 = RI1 Signal.
JUMP2 Connector Pin 3 and Pin 4 = RI2 Signal.
IF JUMP1 Connector Pin 5 and Pin 7 = RI1 is +5V
IF JUMP2 Connector Pin 6 and Pin 8 = RI2 is +5V
IF JUMP1 Connector Pin 7 and Pin 9 = RI1 is 12V
IF JUMP2 Connector Pin 8 and Pin 10 = RI2 is 12V

1=-XRI1	2=COM_-XRI1
3=-XRI2	4=COM_-XRI2
5=+5V	6=+5V
7=COM1_PWR	8=COM2_PWR
9=+12V	10=+12V

C6 SATA Power (5V)(PW2)

1=GND
2=GND
3=+5V
4=+5V

C7 SATA Power (12V)(PW1)

1=GND
2=----
3=+12V

C8 AC BACK AUTO PWR-ON (JP4)

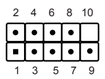
1=RTCRST-
2=GND

C9 FAN Connector (CPU_FAN1)

1=GND
2=+12V
3=FANIO1
4=FANPWM1

C10 Front Panel Connector (JP3)

1=HDLEDPWR	2=PWRLED
3=-SATALED	4=GND
5=RST_SW-	6=PWRSW-
7=GND	8=GND
9=---	



➢ Safety Information

Read the following precautions before setting up a Shuttle XPC.

CAUTION
Incorrectly replacing the battery may damage this computer.
Replace only with the same or equivalent as recommended by Shuttle.
Dispose of used batteries according to the manufacturer's instructions.

Laser compliance statement

The optical disc drive in this PC is a laser product.
The drive's classification label is located on the drive.

CLASS 1 LASER PRODUCT

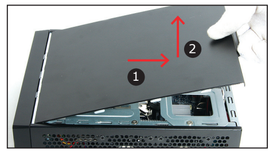
CAUTION: INVISIBLE LASER RADIATION WHEN OPEN.
AVOID EXPOSURE TO BEAM.

A. Begin Installation

⚠ For safety reasons, please ensure that the power cord is disconnected before opening the case.

1. Unscrew the two thumbscrews of the chassis cover.

2. Slide the cover backwards and upwards.



3. Unfasten the racks mount screws and remove the racks.

B. CPU and ICE Module Installation

1. Unfasten the four ICE module attachment screws.

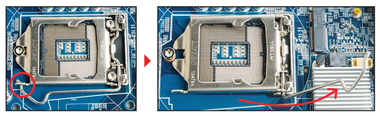
⚠ Rotating the fastener along the direction of arrow is to remove the ICE module, on the contrary, is to install.

2. Remove the ICE module from the chassis and put it aside.

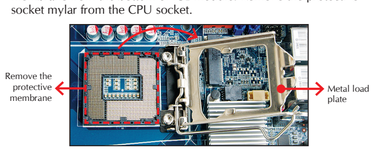
⚠ Please note this 1150 pin socket bends easily. Always apply extreme care and little force when installing a CPU and limit the number of times you remove or exchange it. Before installation, make sure to turn off the computer and unplug the power cord from the mains to avoid damage.

➢ Follow the steps below to correctly install the CPU into the motherboard CPU socket.

3. First unlock and raise the socket lever.

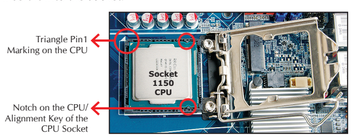


4. Lift the metal load plate on the CPU socket. Tear off the protective membrane from the bottom of ICE module. Remove the protective socket mylar from the CPU socket.



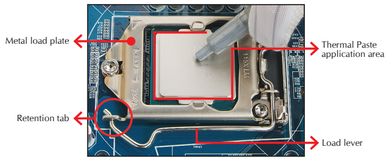
⚠ DO NOT touch socket contacts. To protect the CPU socket, always replace the protective socket cover when the CPU is not installed.

5. Orientate the CPU and socket and please align the CPU notches with the socket alignment keys. Make sure the CPU is perfectly horizontal, insert it into the socket.



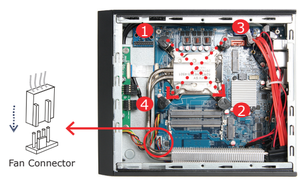
⚠ Please be aware of the CPU orientation, DO NOT force the CPU into the socket to avoid bending of pins on the socket and damage of CPU!

6. Close the metal load plate, lower the CPU socket lever and lock in place.
7. Spread thermal paste evenly on the CPU surface.



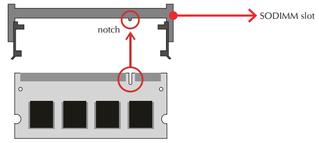
⚠ Please do not apply excess amount of thermal paste.

8. Screw the ICE module to the mainboard. Note to press down on the opposite diagonal corner while tightening each screw.

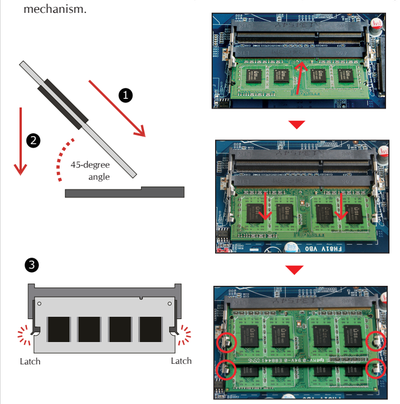


C. Memory Module Installation

1. Locate the SODIMM slot on the mainboard.
2. Align the notch of the memory module with the one of the memory slot.



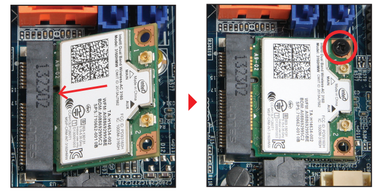
3. Gently insert the module into the slot in a 45-degree angle.
4. Carefully push down the memory module until it snaps into the locking mechanism.



5. Repeat the above steps to install additional memory modules, if required.

D. Component Installation

1. Install the Mini PCIE card into the Mini PCIE slot and secure with screws.

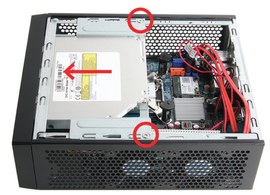


2. Untie all cables for easier installation.

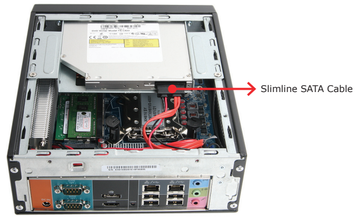
3. Place the slimline DVD drive in the rack and fasten it with the four screws from the sides.

⚠ If you are installing the XH81 ODD, remove the front bay cover first.

4. Slide the rack downward and forward and refasten it using the two screws.

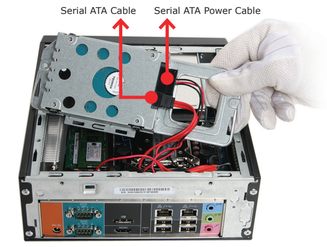


5. Connect the ODD cable and power cable to optical drive.

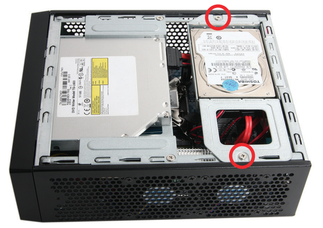


6. Place the HDD in the rack and secure with the four screws from the side.

7. Connect the Serial ATA and power cables to the HDD.



8. Slide the rack in the chassis and refasten the two screws.



E. Complete

1. Replace the cover and refasten the thumbscrews.

2 . Complete.

⚠ Please load the optimized BIOS settings.

The product's colour and specifications may vary from the actually shipping product.

53R-XH8103-H001